

Amendments to the Specification:

Please replace the paragraph beginning at page 11, line 15, with the following rewritten paragraph:

R1  
-It is possible to use the arrangement shown in Figure 1 to produce, for example, a polyester yarn that is wound at a takeup speed greater than 7,000 m/min. The spinning apparatus of Figure 1 is characterized in that the air quantity entering the inlet cylinder is adapted to the delayed heat treatment of the filaments. In this connection, it is possible to influence with advantage both precooling and delayed solidification of the filaments. The final cooling of the filaments occurs in a second zone that is formed by the second cooling tube 35. To intensify the cooling, it would be possible to supplement the air supply device ~~35~~ 34 with an air stream generator that could connect to the outlet end of the second cooling tube 35.

Please replace the paragraph beginning at page 23, line 2, with the following rewritten paragraph:

R2  
-A melt spinning apparatus ~~and a method~~ for spinning a synthetic yarn, wherein the yarn is formed by combining a plurality of filaments and wound to a package by means of a takeup device downstream of the spinning apparatus. Downstream of the spinneret, an inlet cylinder with a gas-permeable wall and a cooling tube are arranged. The cooling tube connects to a suction device such that an air stream forms in the cooling tube in the direction of the advancing yarn. This air stream assists the advance of the filaments and leads to a delayed cooling. To ensure adequate cooling of the filaments within the cooling zone, an air supply device is provided for generating an additional cooling air stream which flows in the axial direction of the cooling tube for cooling the filaments downstream of the inlet to the cooling tube.